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TI - MAGNETIC CYLINDER AND IRON REMOVING MACHINE  
IN - ARAI JUNICHI  
PA - TAISHO TEKKO KK  
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TI - MAGNETIC CYLINDER AND IRON REMOVING MACHINE  
AB - PURPOSE: To attract and convey a magnetic substance by hermetically sealing a moving body in a closed nonmagnetic barrel, through which the magnetic flux of the moving body provided in the barrel having magnetic force, and free to slide in the longitudinal direction of the barrel, and providing the outlet and inlet for a pressure fluid on both sides of the closed barrel in the moving direction of the moving body.  
- CONSTITUTION: When the moving body 1 is at the left end, an end plate 2b is in contact with the moving body 1. Since the magnetic flux from the moving body 1 pierces the outer shell of the closed barrel 2 and forms a magnetic field, iron pieces 8, etc., are attracted on the outer surface of the barrel 2. When the P port of a solenoid valve 7 communicates with the A port, a pressure fluid enters a cylinder chamber on the end plate 2b side from the outlet and inlet 5, and the moving body 1 is moved in the direction becoming more distant from the end plate 2b. As a result, the iron pieces 8, etc., attracted on the end plate 2b are dropped from the end plate 2b since the magnetic field moves away long with the moving body 1. The iron pieces 8, etc., attracted on the outer periphery of the closed barrel 2 are moved to the right along with the movement of the magnetic field due to the movement of the moving body 1.

none

none

none

I - B03C1/02 ;B07C5/344

none

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